

Building Details

Building Name: Ingkarni Wardli Building No: NT 21	Date of Inspection: 26/07/2023	Inherent Risk
	Keys Required: Plant Room & Roof Access	Medium

Roof Access Details

- Right of Access Permit is only for visual inspection and a different permit is required before commencing any work on the roof.
- Handrails and parapets are not a fall arrest system unless part of a submitted SWMS.
- If using a harness all workers accessing the roof must have current Working at Heights training

Access is available by taking the lift to Level 7 and locating the fire exit stairwell opposite the lifts. Take the stairs up to the plant room door (Plant room key required), light is on left hand side when entering Plant Room. A roof access key is required to gain access to roof from the plant room(s).

A fixed ladder on the southern side of the building provides access to the plant room roof.



Roof 1 looking north



Roof 1 looking east



Roof 1 membrane area



Roof 1 rock area



Plant room roof ladder



Plant room roof

No access to areas without walkways unless a safe system of work is in place to ensure the risk of a fall has been minimised (2012 SA WHS Regulations Part 4), this could include using industrial fall arrest harness attached to the static lines or anchor points if available.

Roof Details

Roof Material: Iron / Membrane/ Rock	No. of Roofs on Building: Two - (Main consisting of iron, risen membrane platform and rock area plus iron plant room roof)
Pitch: < 15° X	Roof Height (m): 7-8 storeys
Gutter Details: Box Gutter X	Fragile Panels / areas:
Walkways X Other:	Parapet Details (height, construction): Level 8: Railing, glass parapets Level 9: Railing and unprotected edges.
Fixed Ladders X	Fixed ladder to plant room roof

Description of Roof Plant: Infrastructure plant/ Solar panels Air conditioners/Exhaust vents Aerials/Bleed valves	Number: Various in plant room / 1 bank on north side Various Various Various
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Other Details:
Plant room subdivided into multiple sections divided by locked doors. Plant room key accesses all sections

RISK ASSESSMENT

	Hazard	Risk Indicator once Controls in place	Control
Hazards	Unprotected roof edges and height of roofs – Fall hazard	Rare x Severe Medium	No accessing unless a safe system of work for prevention of falls is implemented.
	Walking on roof – Fall and slip hazard	Rare x Minor Low	Wear protective footwear (refer below). Implement a safe system of work for prevention of falls prior to commencing works.
	Dropped objects.	Rare x Severe Medium	Tool lanyards. Do not lean over roof edges.
	Weather – Heat, rain, strong winds – Heat exhaustion, dehydration, sunburn, colds, fall hazard	Rare x Minor Low	Do not commence works in extreme weather conditions which will adversely affect workers.
	Working alone	Slight x Major High	A system to ensure lone worker's welfare needs, to be in place.
Other Information	<ol style="list-style-type: none"> The method of access to rooftop shall depend on the specific job task being undertaken and risk assessment completed prior to commencement of work and included in Job Safety Analysis (JSA) or Safe Work Method Statement (SWMS) or Safe Work Procedure (SWP) and Safe Work Instruction (SWI); Access and work on roof top when weather is clear, dry and no high winds; Footwear must be toe steel capped and comply with AS/NZS 2210 for type 1 safety footwear; Sun protection policy and procedure is in place when working outdoors; Tools to be carried in tool belt; and Plant and equipment must be well maintained and serviced regularly. 		
Instructions	<ol style="list-style-type: none"> Undertake roof access in accordance with the University of Adelaide Infrastructure Management Sub-System Roof Access Permit to be obtained prior to roof access; Ensure that tools are secured on their person or a safe work method for bringing tools to and from the task has been determined prior to commencement of job; and Do not carry out any tasks within on an unguarded roof edge or fall hazard, unless a safe system of work is in place to ensure the risk of a fall has been minimised. 		

LIKELIHOOD TABLE	
Category	Description
Almost certain	There is an expectation that an event/incident will occur.
Likely	There is an expectation that an event/incident could occur but not certain to occur.
Slight	This expectation lies somewhere in the midpoint between "could" and "improbable"
Unlikely	There is an expectation that an event/incident is doubtful or improbable to occur
Rare	there is no expectation that the event/incident will occur

CONSEQUENCES TABLE	
Category	Description
Severe	Injury resulting in death, permanent incapacity
Major	Injury requiring extensive medical treatment, hospitalisation, or activities could result in a Notifiable occurrence.
Moderate	Injury requires formal medical treatment (hospital outpatient/doctors visit etc), activities could result in an Improvement Notice.
Minor	Injury requires first aid
Negligible	Injury requires minor first aid (e.g. band aid), or result in short term discomfort (e.g. bruise, headache, muscular aches, etc)

RISK RATING					
Likelihood	Consequences				
	Negligible	Minor	Moderate	Major	Severe
Almost Certain	Medium	High	Very High	Very High	Very High
Likely	Medium	Medium	High	Very High	Very High
Slight	Low	Medium	High	High	Very High
Unlikely	Low	Low	Medium	Medium	High
Rare	Low	Low	Low	Medium	Medium

Building Schematic – NT21 Ingkarni Wardli



- Static Line
- Purlin Anchor
- Mechanical Anchor
- Surface Mount Anchor Point
- Fall Arrest Anchor
- Bolted Post Anchor
- Diversion Anchor
- Davit Cup
- Davit Cup
- Davit Cup
- Post
- Unknown Fixing Type
- Access Point
- Inaccessible Location In Black
- Unknown Anchor